## (19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 12 August 2004 (12.08.2004)

PCT

### (10) International Publication Number WO 2004/066703 A3

C07C 209/48 (51) International Patent Classification7:

(21) International Application Number:

PCT/NL2004/000050

(22) International Filing Date: 21 January 2004 (21.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

31 January 2003 (31.01.2003) 03075306.5

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 21 October 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE CATALYTIC HYDROGENATION OF A NITRILE

(57) Abstract: Process for the catalytic hydrogenation of a nitrite in the presence of an amine and a catalyst wherein the catalyst is a liquid-rinsed Raney-type catalyst contacted with a hydroxide prior to contacting the catalyst with the amine. The process results in higher selectivity in the formation of diamines from diniriles.

### INTERNATIONAL SEARCH REPORT

Int onal Application No PCT/NL2004/000050

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C209/48

According to International Petent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 CO7C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

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X	US 5 777 166 A (SPINDLER JEAN-FRANCIS ET AL) 7 July 1998 (1998-07-07) cited in the application column 5, line 33 - line 47 column 6, line 22 - line 42 claim 1	1-11
X	WO 99/33561 A (BOSCHAT VINCENT; LECONTE PHILIPPE (FR); RHONE POULENC FIBRES (FR)) 8 July 1999 (1999-07-08) page 2, line 30 - page 3, line 10 page 3, line 23 - page 5, line 7 example 2	1-11
A	US 5 574 181 A (BOSMAN HUBERTUS J M ET AL) 12 November 1996 (1996–11–12) examples I–IV	1-11

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
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Date of the actual completion of the international search  27 July 2004	Date of mailing of the international search report  10/08/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,  Fax: (+31-70) 340-3016	Authorized officer O'Sullivan, P

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